(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) Publication number: **0 308 252 A3**

(12) EUROPEAN PATENT APPLICATION

(21) Application number: 88308608.4

(51) Int. Cl.4: H04N 9/04 , H04N 9/73

(22) Date of filing: 16.09.88

(30) Priority: 18.09.87 JP 235675/87

(43) Date of publication of application: 22.03.89 Bulletin 89/12

(84) Designated Contracting States: DE FR GB

(88) Date of deferred publication of the search report: 31.01.90 Bulletin 90/05

(71) Applicant: VICTOR COMPANY OF JAPAN, LIMITED
12, 3-chome, Moriya-Cho Kanagawa-ku
Yokohama-Shi Kanagawa-Ken 221(JP)

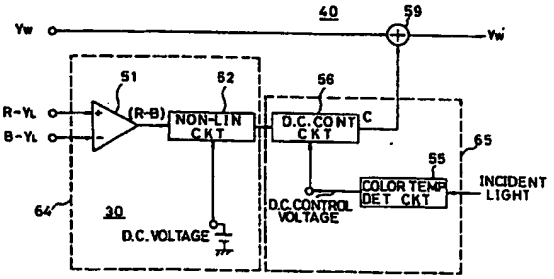
(72) Inventor: Aso, Michihiro
No. 602-5-401, Toriyamacho Kohoku-Ku
Yokohama-Shi Kanagawa-Ken(JP)
Inventor: Watanabe, Taro
No. 55-9, Torigaoka Totsuka-Ku
Yokohama-Shi Kanagawa-Ken(JP)
Inventor: Ueda, Kazuhiko
No. 2-9-13-302, Jindaiji Kanagawa-Ku
Yokohama-Shi Kanagawa-Ken(JP)

(74) Representative: Robinson, John Stuart et al
MARKS & CLERK 57/60 Lincoln's Inn Fields
London WC2A 3LS(GB)

(54) Video signal processing circuit of a video camera.

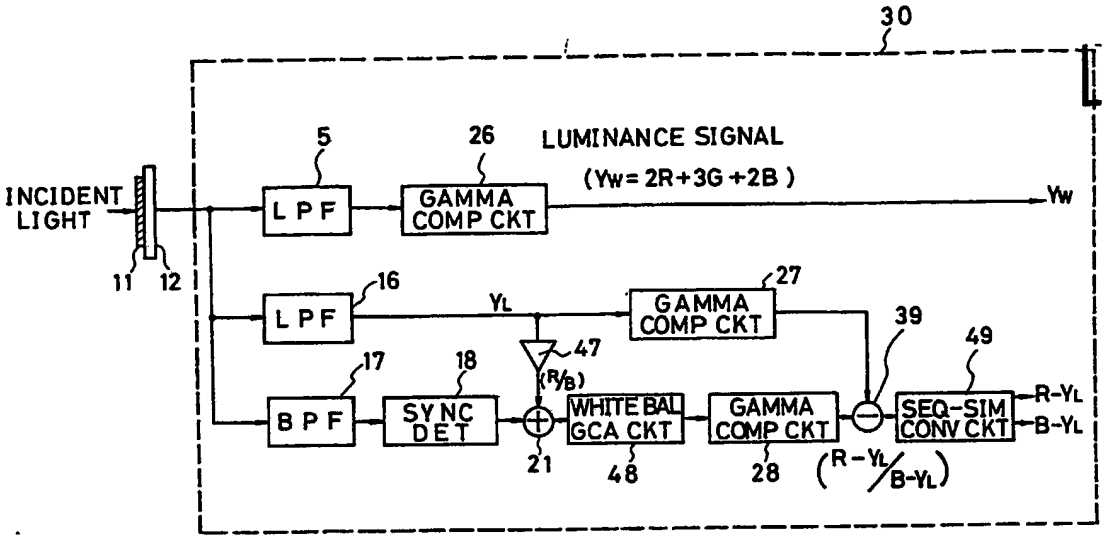
(57) A video signal processing circuit of a single chip colour camera comprises a colour separation filter (11) for performing a colour separation on incident light passing therethrough so as to output colour separated light, a solid state pickup device (12) for picking up the colour separated light passed through the colour separation filter and outputting a video signal, main circuit means (30) for generating a first luminance signal (Y_W), a second luminance signal (Y_L), a first colour difference signal ($R-Y_L$), and a second colour difference signal ($B-Y_L$) from the video signal, compensating signal generating means (40, 50) for obtaining a compensation signal (C, C_1, C_2) from the first and second colour difference signals, operational means (59, 63) for applying the compensation signal to the first luminance signal to produce an output luminance signal (Y_W'), and colour temperature detection means (55, 68) for detecting a colour temperature of the incident light and outputting a DC control voltage so as to determine the compensation signal.

FIG. 2



EP 0 308 252 A3

FIG. 1



European Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 88 30 8608

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	DE-A-3 619 708 (OLYMPUS) * Page 15, line 1 - page 17, line 14; figure 6 *	1,7	H 04 N 9/04 H 04 N 9/73
P,A	PATENT ABSTRACTS OF JAPAN, vol. 11, no. 312 (E-548)[2759], 12th October 1987; & JP-A-62 104 290 (CANON INC.) 14-05-1987 * Abstract *	1,7	
A	IDEM	2	
A	PATENT ABSTRACTS OF JAPAN, vol. 8, no. 200 (E-266)[1637], 13th September 1984; & JP-A-59 89 090 (MATSUSHITA DENKI SANGYO K.K.) 23-05-1984 * Abstract *	1,7	
A	PATENT ABSTRACTS OF JAPAN, vol. 8, no. 173 (E-259)[1610], 9th August 1984; & JP-A-59 67 790 (MATSUSHITA DENKI SANGYO K.K.) 17-04-1984 * Abstract *	1,7	

TECHNICAL FIELDS SEARCHED (Int. Cl.4)

H 04 N

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	10-10-1989	BEQUET T.P.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P0401)